

**Notice of Allowability**

Application No.

10/810,753

Examiner

Hung T. Vy

Applicant(s)

RAO, SUMITA

Art Unit

2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/08/2006.
2. ☒ The allowed claim(s) is/are 8,9,11,20 and 21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 10/26/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
DON WONG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

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1. As of entry of the amendment filed on 11/08/2006, claims 8-9, 11, and 20-21 are pending in this application as result of the cancellation of claims 1-7, 10, and 12-19.

The claims 8-9, 11 and 20-21 are allowance.

#### **Reasons for Allowance**

2. Claims 8-9, 11 and 20-21 are allowed.

The following is an examiner's statement of reason for allowance:

Claims 8-9, 11 and 20-21 are allowed since the prior made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Beckmann et al. (U.S. Patent No. 6, 178,414), taken individually or in combination, do not teach the claimed invention as a method for managing a memory or a handheld potable device, comprising, along with all the other claimed feature, providing **a plurality of available memory blocks**, each memory block **having a size**; providing a tree comprised of elements where each element has between 0 and 2 branches inclusive, a value, and **an indicator**, the indicator enabled to indicate if an element is further a hook-element, each hook-element comprising a first branch to a linked list where each element in the linked list has a value the same as the hook-element value, and a second branch to an element with a same value as the hook-element, and where each of the plurality of available memory blocks is **associated with one element with the size of the associated memory block being equal to the value** of the associated element; **requesting an allocation of memory** comprised of a request size; searching for one of the available memory blocks that **satisfies the allocation request**, the searching process further comprising: comparing the request

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size to a first value of a first element; determining if the indicator indicates the first element is a hook-element and if the first value is equal to the request size; traversing, if the indicator indicates a hook-element and the first value and request size are equal, to the hook-element's first branch; traversing, if the indicator indicates a hook-element and the first value and request size are unequal, to the hook-element's second branch; traversing, if the indicator did not indicate a hook-element and the request size is larger than first value, to a branch comprised of elements with values all greater than the first value; traversing, if the indicator did not indicate a hook-element and the request size is smaller than first value, to a branch comprised of elements with values all smaller than the first value; continuing determining and then traversing until an element that is not a hook-element and has a same value as the request value is reached, being a request element thereby; removing the request element from the tree; and making the memory block associated with the removed element available for the memory request.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung T. Vy whose telephone number is 571-2721954. The examiner can normally be reached on 8.30am - 5.30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571 272 1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

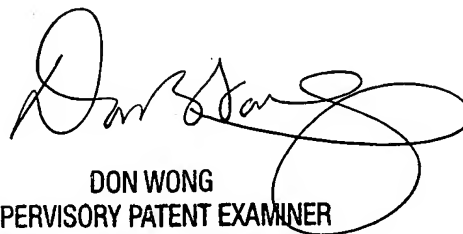
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

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Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hung Vy  
2163  
December 03, 2006.

A handwritten signature in black ink, appearing to read "Don Wong", with a large, stylized loop at the end.

DON WONG  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100